

Board of Trustees

Executive Committee

April 18, 2017

**RESOLUTION TO APPROVE A GRADUATE CERTIFICATE
IN GLOBAL HEALTH-NUTRITION**

WHEREAS, Article II, Section 1 of the By-Laws of the Board of Trustees for Case Western Reserve University (the “University”) states, in relevant part, that the Board of Trustees shall oversee the educational programs of the University; and

WHEREAS, the charge for the Faculty Senate Committee on Graduate Studies (the “Committee”) states, in relevant part, that the Committee shall review and make recommendation to the Faculty Senate with respect to graduate certificate programs at the University, and the Committee voted at its March 1, 2017 meeting to recommend the proposed Graduate Certificate in Global Health-Nutrition (the “Certificate”) to the Faculty Senate; and

WHEREAS, Article V, Section A, Par. 2 of the Constitution of the University Faculty states in relevant part that the Faculty Senate shall make recommendations to the President for consideration and transmittal to the Board of Trustees with respect to policies governing standards for curricula and content of all degree programs; and

WHEREAS, at its meeting on March 22, 2017, the Faculty Senate voted to recommend the Certificate to the President for consideration and transmittal to the Board of Trustees for approval.

NOW, THEREFORE, BE IT RESOLVED THAT:
the Executive Committee of the Board of Trustees of the University approves the establishment of the Certificate, and authorizes the University to take and oversee all necessary actions in order to create the Graduate Certificate in Global Health-Nutrition.

APPROVED by the
EXECUTIVE COMMITTEE
Case Western Reserve University
BOARD OF TRUSTEES
Elizabeth J. Keefer
SECRETARY OF THE CORPORATION

Pamela B. Davis, MD, PhD
Dean
Senior Vice President for Medical Affairs
Office of the Dean

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casemed.case.edu

February 27, 2017

Peter Harte, PhD
Chair, Faculty Senate
c/o Rebecca Weiss, Secretary of the University Faculty
Adelbert Hall
7001

Dear Professor Harte:

As noted in the accompanying memo from Dr. Maureen McEnery, Chair of the School of Medicine's Faculty Council, the Faculty Council has recommended approval of a Graduate Certificate in Global Health in Nutrition.

The Certificate in Global Health is offered in the School of Medicine, the Frances Payne Bolton School of Nursing, the Jack, Joseph and Morton Mandel School of Applied Social Sciences, and the College of Arts and Sciences. In the School of Medicine, certificates in Global Health are offered through the Department of Bioethics, the Department of Epidemiology and Biostatistics, and the Department of Medicine. The faculty in the Department of Nutrition will join faculty across campus to provide educational opportunities in global health and focus on issues such as obesity, diabetes, child malnutrition and underweight.

The approval process is outlined in Dr. McEnery's memo. An ad hoc committee was convened to review this new program and after revisions, the program was approved by the Faculty Council.

I concur with the Faculty Council and recommend approval of this certificate program.

Please submit the proposed certificate program to the appropriate committees for their review at their earliest opportunity. I would be pleased to answer any questions that might arise during the review process.

Thank you.

Sincerely,



Pamela B. Davis, MD, PhD

c: Dr. Maureen McEnery, Chair, Faculty Council
Nicole Deming, Assistant Dean for Faculty Affairs and Human Resources, SOM

enclosures



SCHOOL OF MEDICINE

CASE WESTERN RESERVE
UNIVERSITY

Memorandum

To: Pamela B. Davis, MD, PhD
Dean, School of Medicine
Case Western Reserve University

From: Maureen W. McEnery, PhD, MAT
Chair of the Faculty Council

Re: Certificate in Global Health-Nutrition

Date: Sept 20, 2016

At its September 19, 2015 meeting, the Faculty Council voted unanimously to recommend approval of Certificate in Global Health- Nutrition.


In accordance with our SOM practices, an ad hoc committee composed of members of the Faculty Council Steering Committee, Graduate Directors, the SOM members of the Faculty Senate's Committee on Graduate Programs, and the Associate Dean for Graduate Education was created to review the program proposal. The ad hoc committee was chaired by Nicholas Ziats. The ad hoc committee reviewed the document, discussed the proposal, and engaged with the program presenter. After discussion, the *ad hoc* committee approved the reviewed proposal and it was sent to the Faculty Council for a vote.

After your review, I hope you will join me in recommending the proposal for a Certificate in Global Health-Nutrition for approval by the Faculty Senate, as required by the Faculty Handbook.

Please let me know if I can provide any additional information.

Thank you for your consideration.

Sincerely,



Maureen W. McEnery, Ph.D, MAT
Chair of the Faculty Council
Associate Professor of Neurology
Associate Professor of Neuroscience
University Hospitals of Cleveland Medical Center
Case Western Reserve University School of Medicine

cc: Nicole Deming, JD, MA, Dan Anker, JD, PhD

College/School: Medicine
Department: Nutrition

PROPOSED: _____ major
_____ minor
 program
_____ sequence
_____ degree

TITLE: Certificate in Global Health- Nutrition

EFFECTIVE: Fall (semester) 2016 (year)

DESCRIPTION:

This proposal seeks to add Nutrition (MS students) to the existing Certificate in Global Health.

Is this major/minor/program/sequence/degree: new
_____ modification
_____ replacement

If modification or replacement please elaborate: _____

Does this change in major/minor/program/sequence/degree involve other departments? Yes No

If yes, which departments? NURSING, INTH, EPBI

Contact person/committee: Mary Beth Kavanagh 368-3231

SIGNATURES:

Department Curriculum Chair(s)/Program Directors: Steve Burdette DATE 4/14/16
Department Chair: _____
College/School Curriculum Committee Chair: _____
College/School Dean(s): _____
FSCUE Curriculum Subcommittee Chair: _____

File copy sent to: _____ Registrar _____ Office of Undergraduate Studies/Graduate Studies
_____ Other: _____



Department of Nutrition
School of Medicine – Room WG 48
2109 Adelbert Road
Cleveland, Ohio 44106-4954
216.368.2440

April 14, 2016

To Nick Ziats, Nicole Deming, & the SOM Committee

I am pleased to very enthusiastically support the Certificate in Global Health- Nutrition that is being presented for approval. Creating an official Certificate in this specialty area is part of the Department's strategic plan to establish a clinical and educational excellence in the area of global health nutrition. This certificate also aligns with the existing Global Health certificate Program across the University.

All of the courses, (totaling 12 credit hours), are currently in existence. Support letters from the corresponding faculty who teach those respective courses are included with this proposal.

The professional advantage of achieving this Certificate for our graduate students in the Public Health or Coordinated Dietetic Internship tracks is the ability to differentiate themselves as those with advanced training in global nutrition and health. Nutrition, similar to medicine, is composed of practicing dietitians who specialize in various areas of practice. These specializations are often the difference between being hired for a position or not. They also set the stage for being a component in their upward professional trajectory and development as well.

Please do not hesitate to contact me for further information. I will look forward to the successful development of this Certificate.

Sincerely,

Hope Barkoukis, PhD, RDN, LD
Interim Chair and Associate Professor
Department of Nutrition, SOM

Proposal for a
Certificate in Global Health - Nutrition
for Master of Science Nutrition Students
March, 2017

Introduction

Many departments in the School of Medicine offer educational activities in global health. Certificates in Global Health are currently offered through the Departments of Bioethics, Epidemiology/Biostatistics, and Medicine. Departments in other schools across the University also offer this certificate including the School of Nursing, the College of Art and Sciences, and the Mandel School of Applied Sciences.

The Framework for Global Health is a group of professors across the campus whose objective is to provide educational opportunities in global health. Requirements for the Certificate in Global Health are department-specific but all departments require INTH 401 for the graduate level certificate. If approved, faculty from the Department of Nutrition would participate fully in the activities of this committee.

Background

A recent study published in *The Lancet* presented a pooled analysis of 1698 population-based measurement studies from 186 countries between 1975 and 2014. (1) Over this 40 year period, significant increases in global age-adjusted mean BMI for both men and women over the age of 18 were identified. Specific regions such as Polynesia and Micronesia were found to have the highest regional mean BMIs for both men and women. The age-standardized prevalence of obesity also increased significantly over this period and the study authors concluded that if this trend continues, global obesity prevalence will reach 18% in men and surpass 21% in women by 2025.

While the age-adjusted global prevalence of underweight in this study was reported to be decreasing (from 13.8% to 8.8% in men and from 14.6% to 9.7% in women), there are still an estimated 793 million people who are undernourished across the globe. (1) While undernutrition is decreasing overall, certain regions such as sub-Saharan Africa and the Caribbean experience high rates of undernutrition at 23.2% and 19.8% respectively. (2) Child malnutrition is of special concern since the effects of undernutrition in the early years can significantly compromise the health of these children throughout their lives. The prevalence of both stunting and wasting across the globe is decreasing but significant numbers of children are still affected; 159 million children experience stunting and 50 million experience wasting. (3)

Associated with the increase in the prevalence of obesity is a significant increase in the prevalence of diabetes with more than 380 million adults diagnosed worldwide, which represents 8.3% of the global adult population. (4)

Obesity, diabetes, child malnutrition and underweight are significant problems across the globe. The Department of Nutrition has two Master of Science programs which also include clinical training for students who intend to practice as Registered Dietitian Nutritionists. These students are specifically trained in designing and implementing nutrition interventions for individuals and groups to treat obesity

and underweight, child malnutrition, and diabetes. These students are also trained in interdisciplinary collaborations with medical and nursing students.

The national professional organization of Registered Dietitian Nutritionists, the Academy of Nutrition and Dietetics, is actively advancing its reach in global nutrition. Some examples of their initiatives include:

- A Global Nutrition Forum was hosted in Amsterdam in 2015 by the Academy, its Foundation and the European Federation of Associations of Dietitians (EFAD).
- Former Academy president and Foundation chair Susan Finn represented the Academy and the nutrition and dietetics profession in February 2015 at the first World Women's Health and Development Forum held at the United Nations headquarters in New York City.
- Collaborative projects of the Academy's Evidence Analysis Library include Malnutrition in Pregnancy, Chronic Kidney Disease, and Nutrition in Athletic Performance established with Dietitians of Canada, the International Society of Renal Nutrition and Metabolism, and the WHO
- The Academy is working with WHO on a systematic review of interventions to promote and support exclusive breastfeeding in HIV-infected women.
- In collaboration with the United States Agency for International Development, National Institutes of Health (NIH) and Tufts University, the Academy is developing a nutrition care manual for adolescents and adults living with HIV, primarily for use in Africa.

Employment of dietitians and nutritionists is projected to grow 16 percent from 2014 to 2024, much faster than the average for all occupations. Many of these jobs are likely to involve practice in global nutrition interventions, epidemiology, and policy. MS Nutrition students who complete the requirements for this certificate will be in excellent position to work in this expanding area of dietetic practice and position themselves as leaders in the efforts to improve the health of people across the globe.

Required Coursework

Four courses totaling 12 credit hours are required for the Certificate in Global Health – Nutrition. The minimum grade point average that must be maintained in these required courses to obtain this certificate is a 3.0 on a 4.0 scale. The following courses are required:

INTH 401 Fundamental Concepts in Global Health (3 credit spring course currently taught by Ron Blanton) Enrollment in this course in Spring 2016 was 4 students, with 18 undergrads enrolled in INTH 301.

EPBI 484 Global Health Epidemiology (3 credit fall course currently taught by Dan Tisch) Enrollment in this course in Fall 2015 was zero although 5 students were registered in MPHP 484 and 1 in INTH 484

NURS 494 Global Health Seminar (3 credit spring course currently taught by Liz Madigan) Enrollment in this course in Spring 2016 was 1 student although 4 undergrads were registered in NURS 394.

NTRN 602 Special Problems: Global Nutrition – This is a new course being submitted for approval simultaneously with this proposal. (fall or spring course taught by specific faculty members, 3 credit hours will be required. The student will be required to create a nutrition-specific intervention or project

that can be implemented in a specific region of the world to improve the nutrition status of a specific population –i.e. early childhood malnutrition in Rwanda, type 2 diabetes in adults in Taiwan, etc. Interdisciplinary projects with Nursing graduate students and School of Medicine will be strongly encouraged.)

Established tuition-sharing policies across these Departments will be followed.

Eligibility and academic advising for the Certificate in Global Health -Nutrition

Any student who is enrolled in the MS in Nutrition, the MS/Coordinated Dietetic Internship, the MS/Public Health Nutrition Dietetic Internship, the Integrated Bachelor's/Master's Program, or the MD/MS in Nutrition can earn this certificate. External non-degree students who have previously earned at least a Bachelor's degree in Nutrition or Food Science with an overall undergrad GPA of 3.0 are also eligible to enroll.

It is expected that MS in Nutrition students and MS/MD students can complete the requirements for the certificate within their programs while completing their degree requirements. Students who are enrolled in either of the two MS/Dietetic Internship Programs can earn the graduate certificate while completing their degree program although an additional semester of study will likely be required.

Students will be made aware of the certificate program by their academic advisors as well as by announcements on the Department of Nutrition's website and promotional materials.

Students who wish to earn the certificate must complete the "Intent to Complete the Graduate Certificate in Global Health - Nutrition Form" (see page 6) after successfully completing INTH 401 with a grade of "B" or better. After completion of all required courses, the student must formally apply to Graduate Studies for the certificate. The certificate will be awarded at the completion of a student's degree program if the student has earned at least a "B" in all of the required courses or an overall GPA of 3.0. Courses taken at other educational institutions will not be accepted in lieu of any of the 12 credits required for the Certificate. Recruitment to the certificate program will be managed by the academic advisors of MS Nutrition students (currently Hope Barkoukis, Stephanie Harris, and Tamara Randall) who will also provide guidance through completion of the graduate certificate.

Capacity and current interest in the Certificate in Global Health - Nutrition

The Department of Nutrition plans to accept a maximum of 3 students initially to the Certificate Program. We will target students currently enrolled in both of the MS/Dietetic Internship Programs. The number of students can be expanded depending on interest and demand.

After the initial 3 students have completed the certificate program, the Department of Nutrition will actively promote the Graduate Certificate in Global Health initially to Registered Dietitian Nutritionists who are currently practicing dietetics in Northeast Ohio via announcements through the Ohio Academy of Nutrition and Dietetics and through regional affiliates such as Greater Cleveland Academy of Nutrition and Dietetics.

There are 2 students who are currently enrolled in the MS/Dietetic Internship Program who have expressed strong interest in earning this graduate certificate. Six MS Nutrition students have applied for the 2016 Eva Pancoast Scholarship for study abroad after graduation with several international nutrition programs highlighted. This indicates strong interest in global nutrition education and experiences.

Importance of the Proposed Graduate Certificate to the School of Medicine

The Certificate in Global Health - Nutrition, if approved, would be totally unique in the state of Ohio and therefore of great value to the School of Medicine. The proposed Certificate fits perfectly with the School of Medicine's vision to demonstrate leadership in building collaborations across the community, region, and nation to catalyze better health care. There are no universities who offer a similar Graduate Certificate. This program also fits with the School of Medicine's desire to develop, expand, and market MS, certificate, and related programs to provide cutting edge and inter-professional educational opportunities.

Importance of the Proposed Graduate Certificate to Case Western Reserve University

The proposed Certificate in Global Health - Nutrition fits well with the University's Strategic Plan to advance interdisciplinary initiatives in research and education that align our expertise with the world's most pressing needs and to enhance learning, course design, advising, and research.

Costs and Income from the Proposed Graduate certificate in Global Health- Nutrition

There is no cost associated with this certificate program for enrolled in the MS program, the MS/Coordinated Dietetic Internship or the MS/Public Health Nutrition Dietetic Internship or MD/MS program since the required courses currently exist. The movement of students through the coursework will be supervised by their academic advisors.

Nominal administrative costs are anticipated which will be covered by the traditional tuition return for our graduate Nutrition students.

Program administration, oversight, and evaluation

The Graduate Certificate Program will be administered by the interim Department Chair, Hope Barkoukis, with the assistance of the Department of Nutrition Graduate Program Coordinator, currently Pamela Woodruff.

The MS Curriculum Committee in the Department of Nutrition will oversee the certificate program and collect outcome data related to enrollment, course evaluations, students' satisfaction with the program, curriculum changes, and employment outcomes for those who complete the certificate program. The committee will review this data annually and make recommendations for any needed changes in the graduate certificate program.

References

- (1) Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19·2 million participants. *The Lancet* , Volume 387 , Issue 10026 , 1377 – 1396.
- (2) The State of Food Insecurity in the World 2015. Food and Agriculture Organization. Available at: <http://www.fao.org/hunger/en/>. Accessed April 10, 2016.
- (3) Joint child malnutrition estimates - Levels and trends (2015 edition). World Health Organization. Available at: <http://www.who.int/nutgrowthdb/estimates2014/en/>. Accessed April 10, 2016.
- (4) van Dieren S1, Beulens JW, van der Schouw YT et al. The global burden of diabetes and its complications: an emerging pandemic. *Eur J Cardiovasc Prev Rehabil*. 2010 May;17 Suppl 1:S3-8. doi: 10.1097/01.hjr.0000368191.86614.5a.
- (5) Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2016-17 Edition, Dietitians and Nutritionists. Available at: <http://www.bls.gov/ooh/healthcare/dietitians-and-nutritionists.htm>. Accessed April 06, 2016.

Intent to Complete the Graduate Certificate in Global Health - Nutrition

Last name _____ First Name _____ Network ID _____

Program of Study: _____ MS/Coordinated Dietetic Internship

(check one) _____ MS/Public Health Nutrition Dietetic Internship

_____ MD/MS

_____ MS Nutrition

_____ Integrated Bachelor's/Master's

Date of program entry _____ Expected program completion date _____

Instructions: Complete this form after you have completed INTH 401 which is required for the Certificate. Submit this form to your academic advisor for required signatures.

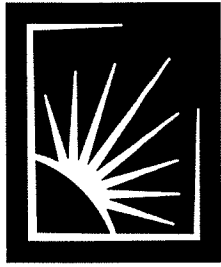
REQUIRED COURSE	SEMESTER/YEAR TO BE TAKEN	SIGNATURE OF INSTRUCTOR VERIFYING GRADE OF "B" OR BETTER

By signing below, I acknowledge my intent to complete the requirements for the Graduate Certificate in Global Health - Nutrition.

Student signature _____ Date _____

Academic Advisor/Program Director signature _____ Date _____

Department Chair signature _____ Date _____



SCHOOL OF MEDICINE

CASE WESTERN RESERVE
UNIVERSITY

Center for Global Health and Diseases

April 14, 2016

Dear Dr. Kavanaugh:

The Certificate in Global Health has been a University approved program for undergraduates and graduates since 2007. As we discussed the program is meant to be discipline-specific, therefore, the program has been active in Anthropology, Biology, Bioethics, Epidemiology, Engineering, Mathematics, Social Sciences, Medicine and Nursing. While there are no areas of study that do not have some relationship to the health of humankind, Nutrition has an obvious connection and has been a key discipline missing from the portfolio of this program. The outlined requirements are consistent with the program's ideals to demonstrate a student's interest, investment and knowledge of health particularly in low-income countries. Dr. Daniel Tisch and I as directors of the Certificate program welcome your proposal for the Department of Nutrition.

Yours,

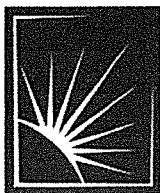
Ronald Blanton
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CASE WESTERN RESERVE UNIVERSITY

FRANCES PAYNE BOLTON SCHOOL OF NURSING

Case Western Reserve University
10900 Euclid Avenue
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April 3, 2016

Jeffrey Wolcowitz, PhD, Dean, Undergraduate Studies
Nicole Deming, JD, School of Medicine

Phone 216-368-8532
Fax 216-368-3542
Email Elizabeth.madigan@case.edu
Web <http://fpb.case.edu>

Dear Jeff and Nicole,

I am pleased to offer this letter of support for the Department of Nutrition's request to offer a certificate in global health. I have been in conversations with Mary Beth Kavanaugh on this possibility as we have had a number of undergraduate nursing students complete the requirements over the past 4 years. Having our colleagues from the Department of Nutrition involved will be very helpful as global health is facing the challenges of both under-nutrition and obesity in all parts of the world.

I will be glad to continue to work with Mary Beth and the Department of Nutrition and, if there are needs, to help to coordinate and place nutrition students in global health projects to meet the certificate requirements.

Please let me know if there are questions that I can answer. I can be reached by email at elizabeth.madigan@case.edu or via phone at 216-368-8532.

Thank you for considering this request

Sincerely,

A handwritten signature in cursive script, reading "Elizabeth A. Madigan".

Elizabeth A. Madigan, PhD, RN, FAAN
Independence Foundation Professor of Nursing